NOTE - ALL QUESTIONS ON THIS AUDITOR'S PROCESS GUIDE ARE CONSIDERED PRIORITY CODE "A" EXCEPT QUESTION #24 WHICH IS CODED "B"

1.	a. Identify types of nondestructive testing performed at the facility being audited:						
	MT	UT		PT		ET	
	RT	VT					
	Other (specify):						
	b. Identify which test quality evidence.	processes wer	re witnesse	d and which were	veri	fied by objective	
2.	Are applicable NDT procedure number, re-						
	MT Procedure		Rev	Date	#_		
	PT Procedure		Rev	Date	#_		
	UT Procedure		Rev	Date	#_		
	VT Procedure		Rev	Date	#_		
	ET Procedure		Rev	Date	#_		
	RT Procedure		Rev	Date	#_		
Person	nel Qualification:		•				
3.	Are all NDT personnel, including the examiner, recertified by examination at a minimum interval as required by specification?				YesNo		
4.	Are adequate records available to administer personnel qualification; e.g. name, evidence of examination given, grade, re-certification dates, signature of examiner?				SatUnsat		
5.	Do records include evidence of performance of applicable NDT during the last 6 months to maintain qualification?				SatUnsat		
6.	a. Are vision test records available?			SatUnsat			
	b. Do these records in on an annual basis?	ndicate a J1 Ja	eger test o	r equivalent and b	right	eness discrimination,	SatUnsat
7.	Do vision test records	note correctiv	ve aids (gla	asses) when applic	cable	?	SatUnsat

	<u>'itnessing:</u> The following questions are to be answered as a result of observing NDT erformed and/or observation of the applicable work area:	
Magnet	ic Particle (MT):SatUnsatN/AWitnessedReview of Records	
8.	a. Is the correct procedure readily available to the inspector?	YesNo
	b. Is performance in accordance with the method/set-up of the procedure? (Unidirectional vice multidirectional)	YesNo
9.	Is the inspector qualified?	YesNo
10.	Is the amperage within the procedure range?	YesNoN/A
11.	Is the lighting adequate per procedure?	YesNoN/A
12.	Are correct accept/reject criteria being applied?	YesNoN/A
13.	Do inspection records indicate heat off date when required? (For 24 hour or 7 day MT)?	YesNoN/A
14.	Are records of MT performed adequate i.e. inspector and date, joint or piece inspected, equipment used, number and type of defects, repair description?	YesNoN/A
15.	Is equipment calibration current?	YesNoN/A
16.	Is material being demagnetized after testing, as required by procedure?	YesNo
Liquid	Penetrant (PT):SatUnsatN/AWitnessedReview of Records	
17.	a. Is the correct procedure available to the inspector?	YesNo
	b. Is performance in accordance with the procedure?	YesNo
18.	Is the inspector qualified?	YesNo
19.	Is the lighting adequate per procedure?	YesNoN/A
20.	Are correct accept/reject criteria being applied?	YesNo

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21.	Is the proper test method being utilized for the type of inspection being performed i.e. Group I for welds, other than Group I for fasteners?	YesNo
22.	a. Are the penetrant materials used as listed in the approved procedure (cleaners, penetrants, solvent, developer)?	YesNo
	b. Are penetrant materials traceable to the certifications?	YesNo
23.	Are the correct precleaning, penetrant and inspection developer dwell times being used?	YesNo
24.	Is proper post inspection cleaning of the part performed?	YesNoN/ANot Observed
25.	Are there adequate records of PT performed?	YesNo
Radiog	raphy (RT):SatUnsatN/AWitnessedReview of Records	
26.	a. Is the correct procedure readily available to the inspector?	YesNo
	b. Is performance in accordance with the method/set-up of the procedure?	YesNo
27.	a. Is a sketch, drawing, procedure or equivalent record available to show the set-up used to make each radiograph?	YesNo
	b. Is the sketch, drawing or procedure legible?	YesNo
28.	Is there a system for positive identification of RT film correlating to the part inspected?	YesNo
29.	Are the RT location markers maintained on the part to permit coordination with their images on the film?	YesNoN/A
30.	Is the film viewing facility constructed to exclude objectionable background lighting and contain a film viewed with a cooling device and densitometer?	YesNo
31.	Are penetrameters correctly identified with lead numbers or engraved strips indicating material thickness?	YesNo
32.	Are penetrameters permanently identified by material or principal alloy?	YesNo

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33.	Is the correct penetrameter being used?	YesNo
34.	Are appropriate calculations of source half-life/exposure time being performed?	YesNo
35.	Are radiographic film storage areas adequate?	YesNoN/A
36.	Are radiographic film packages adequately maintained? (i.e. torn, wet damaged)	YesNoN/A
37.	Are all artifacts identified and dispositioned on the reader sheet?	YesNoN/A
38.	Do RT records contain the following:	YesNo
	a. Correct penetrameter size used	SatUnsatN/A
	b. Correct penetrameter material used	SatUnsatN/A
	c. Proper shim material and thickness used	SatUnsatN/A
	d. Correct source-to-film distance used	SatUnsatN/A
	e. Film density on block image is not greater than 15% of the density in area of interest	SatUnsatN/A
	f. Film density (single film viewing) is 1.5 to 4.0 in area(s) to be examined	SatUnsatN/A
	g. Film density (double film viewing) is 1.5 to 4.0 in area(s) to be examined	SatUnsatN/A
	h. Radiograph(s) show complete coverage	SatUnsatN/A
	i. Complete coverage of repaired area(s)	SatUnsatN/A
	j. Original radiographs of repaired area(s) included with overread package if applicable)	SatUnsatN/A
	k. RSS provided with overread package	SatUnsatN/A
	Shooting sketch specifies wall thickness of item	SatUnsatN/A

	m. Sketch (es) showing location(s), size(s), shape(s) of repaired area(s) included with over read package	SatUnsatN/A
	n. Film processing defects and artifacts have been	SatUnsatN/A
	o. Radiographic Inspection Report has Contractor Approval when required by the purchase order/contract	SatUnsatN/A
<u>Ultraso</u> Records	nic Inspection (UT):SatUnsatN/AWitnessedReview of	
39.	a. Is the correct procedure readily available to the inspector?	YesNo
	b. Are performance and methods/set-up in accordance with the procedure? (longitudinal vice transverse)	YesNo
40.	Is the inspector qualified?	YesNo
41.	Is a system in place to qualify equipment, including master transducers and calibration blocks?	YesNo
42.	Is the surface finish of the piece being tested in accordance with the procedure?	YesNoN/A
43.	Is the calibration block/s correctly identified by material type and uniquely identified (serialized)?	YesNoN/A
44.	Is the couplant removed at the completion of testing?	YesNoN/ANot Observed
45.	a. Is calibration checked/rechecked at the beginning and completion of testing?	YesNoN/A
	b. Is equipment calibration current?	YesNo
46.	Are inspection records adequate?	YesNo
Eddy C	urrent Inspection (ET):SatUnsatN/AWitnessedReview of Review of Rev	ecords
47.	a. Is the correct procedure available to the inspector?	YesNo

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	b. Is performance in accordance with the procedure?	YesNoN/A
48.	Is the inspector qualified?	YesNo
49.	Is the surface finish/configuration of the part adequate to allow free movement of the probe?	YesNoN/A
50.	Is the calibration standard utilized by material type and uniquely identified?	YesNo
51.	Is the instrumentation used calibrated as required by procedure?	YesNo
52.	Is the frequency setting correct for the probe used?	YesNo
53.	Is the scanning technique and speed in accordance with the procedure?	YesNo
54.	Are ET rejectable indications being dispositioned properly (i.e., ET rejects verified by MT)?	YesNo
55.	Are inspection records adequate to meet procedural requirements?	YesNo
<u>Visual</u>	Inspection (VT):SatUnSatN/AWitnessedReview of Reco	rds
Visual 3	Inspection (VT):SatUnSatN/AWitnessedReview of Record a. Is the correct procedure readily available to the inspector?	YesNo
	a. Is the correct procedure readily available to the inspector?	YesNo
	a. Is the correct procedure readily available to the inspector? b. Is performance in accordance with the procedure?	YesNo
56.	a. Is the correct procedure readily available to the inspector?b. Is performance in accordance with the procedure?c. When applicable, is the correct magnification used?	YesNoYesNoYesNo
56.	a. Is the correct procedure readily available to the inspector? b. Is performance in accordance with the procedure? c. When applicable, is the correct magnification used? Is the inspector qualified? Are adequate gages and measuring devices available to perform inspection in accordance with the procedure? Is lighting adequate?	YesNoYesNoYesNoYesNo
56. 57.	a. Is the correct procedure readily available to the inspector? b. Is performance in accordance with the procedure? c. When applicable, is the correct magnification used? Is the inspector qualified? Are adequate gages and measuring devices available to perform inspection in accordance with the procedure?	YesNoYesNoYesNoYesNoYesNoYesNo
56. 57. 58.	a. Is the correct procedure readily available to the inspector? b. Is performance in accordance with the procedure? c. When applicable, is the correct magnification used? Is the inspector qualified? Are adequate gages and measuring devices available to perform inspection in accordance with the procedure? Is lighting adequate?	YesNoYesNoYesNoYesNoYesNoYesNo

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	* Surface uniformity	YesNo		
	* Surface cleanliness	YesNo		
	* Physical defects	YesNo		
	* Contour of welded and/or ground surface	YesNo		
61.	For VT of items other than welds, are records available?	YesNo		

Additional Comments/Concerns:

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